



Using DAX in Power BI Intro (1 Day)

Course Outline

Overview of the Language

- What is DAX for?
- How does the language work?
- What makes it efficient?
- When to M, and when to DAX.

Common DAX Functions

- Similarity to Excel Functions
- DAX guide
- DAX results

Defining Measures

- Single (normally) Scalar result
- Filters of this result

Defining Calculated Columns

- Row context functions
- Optimising Columns

Aggregate Functions

- SUM, COUNT, AVERAGE, MIN, MAX, etc
- Understanding the function argument

Table Relationships

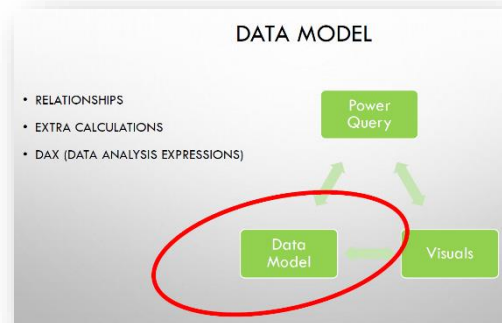
- Understanding the DATA Model
- Cardinality
- Filters
- Options

Cross Table Lookups

- RELATED instead of VLOOKUP
- Model References vs Local References

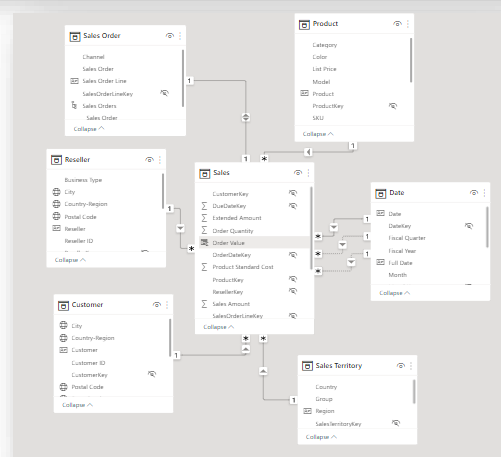
Using the CALCULATE Function

- THE most important function in DAX



```
1 Total Sales = SUM(Sales[Sales Amount])
```

ShipDateKey	SalesTerritoryKey	Order Quantity	Unit Price	Extended Amount	
20180728	20180725	4	2	\$469.79	\$939.59
20180728	20180725	4	2	\$469.79	\$939.59



```
1 Unfiltered Sales = CALCULATE([Total Sales], ALL(Sales))
```